

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/909,016	TAJIMA ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Wilson Lee	2821	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/24/04.
2. ☒ The allowed claim(s) is/are 1-133, 136 and 137.
3. ☒ The drawings filed on 20 July 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>8/24/04</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                              | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

  
 Wilson Lee  
 Primary Examiner  
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**Allowable subject matter**

Claims 1-133, 136 and 137 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests the following limitations, in combination with the remaining elements in the corresponding independent claims:

a potential supply path for supplying the acceleration potential to the acceleration electrode, the potential supply path being introduced via an intermediate area on the side of the electron source substrate; a first wire formed around the intermediate area; and a resistor film formed between the first wire and the intermediate area, the resistor film electrically connected with the potential supply path and the first wire such as required by claim 1 and 4.

a potential supply path for supplying the acceleration potential to the acceleration electrode, and potential supply path being introduced via an intermediate area on the side of the electron source substrate and a periodical projection/recess structure formed on a surface between the first wire and the intermediate area such as required by claim 39 and 40,

a potential supply path being introduced via an intermediate area on the side of the electron source substrate, a second wire provided separately from the acceleration electrode around the acceleration electrode on the acceleration electrode substrate and a peripheral frame is maintained as a vacuum atmosphere, a lead portion of the second wire is extended outside of the vacuum atmosphere and a conductive contact member is

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in contact with the lead portion of the first and second wires such as required by claims 111, 133;

a potential supply path for supplying the acceleration potential to the acceleration electrode, at least a portion of the potential supply path passing through the electrode source substrate; a first wire provided separately from the driving wires and formed on a surface between the portion of the potential supply path and the driving wires such as required by claim 130,

a first wire provided separately from the driving wires and formed on a surface between the portion of the potential supply path and the driving wires; and a periodical projection/recess structure formed on a surface between the first wire and the portion of the potential supply path such as required by claim 131;

a first wire provided separately from the driving wires and formed on a surface between the portion of the potential supply path and the driving wires; and a periodical projection/recess structure formed on a surface between sealing structure and the first wire such as required by claim 132;

a first wire provided separately from the driving wires and formed on a surface between the portion and the driving wires; and a periodical projection/recess structure formed on a surface between the first wire and the portion such as required by claim 136;

an electro-conductive film provided separately from the driving wires and formed on a surface between the portion and said driving wires and a periodical

projection/recess structure formed on a surface between a first wire and the portion such as required by claim 137.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Remarks**

For clarification, claims 134, 135, 138-149 have been canceled without prejudice and without disclaimer of subject matter.

#### **Correspondence**

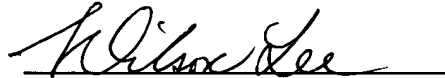
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824.

Papers related to Technology Center 2800 applications may be submitted to Technology Center 2800 by facsimile transmission. Any transmission not to be considered an official response must be clearly marked "DRAFT". The official fax number is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in cursive script, appearing to read "Wilson Lee", is written over a horizontal line.

Wilson Lee  
Primary Examiner  
U.S. Patent & Trademark Office

9/14/04